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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590,594	05/03/2007	Nuri Saryal	13140/003 (N006P01-US)	8556
27879 7590 08/19/2009 INDIANAPOLIS OFFICE 27879 BRINKS HOFER GILSON & LIONE CAPITAL CENTER, SUITE 1100 201 NORTH ILLINOIS STREET INDIANAPOLIS, IN 46204-4220			EXAMINER MAI, TAN V	
			ART UNIT 2193	PAPER NUMBER
			MAIL DATE 08/19/2009	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/590,594	<b>Applicant(s)</b> SARYAL, NURI	
	<b>Examiner</b> Tan V. Mai	<b>Art Unit</b> 2193	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 5/3/07.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>8/24/06</u> | 6) <input type="checkbox"/> Other: _____  |

Leadership support- identifying how to support the goals of the organization

Fireproofing your career- enhancing skills to make you marketable

Benefits of the office –provide employees the needed skills to keep current with technology trends; promotes employee satisfaction through offering programs that will increase individual development.

Benefits to the employee – enhance current communication skills; exhibit the necessary skills to be productive; build problem solving and conflict resolution skills; enhance computer skills

Exhibit the necessary skills to excel.

Improve problem solving and conflict skills

### **Competencies**

Communication

Leadership

Administrative

Customer service

Problem solving

Individual effectiveness

Technical and operational expertise

### **Analytical skills**

Problem solving

Critical thinker

### **Conflict management**

How to work with aggressive people at work

How to work with negative people at work

### **Communication**

Recognizes and employs the most effective method for communicating to others

Is able to convey information verbal or written in a clear, concise and organized manner.

Listens to understand others opinions, ideas and feelings.

### **Administrative support**

Manages time; plans organizes work

Is able to handle task simultaneously

Knows and follows required policies and procedures

### **Organizational skills**

Supports and facilitates cooperation between others.  
Demonstrates an understanding of the organization in its entirety and works to achieve results across disciplines, departments and functions.

**Customer service**

Demonstrates ability to handle customer interactions in a courteous and professional manner.

Able to provide accurate information to customers and take required action

Knows quality standards and applies consistently to work assignments

**Individual effectiveness**

Adapts to changing priorities, unexpected situations and setbacks

Seeks opportunities to learn, takes responsibility for acquiring knowledge, skills and abilities.

Is able to work independently without close supervision

**Technical and operational expertise.**

Understands each stage in the patent examination process.

Applies laws, regulations and administrative rules.

Understands their role and how it fits in to the patent application process.

Uses word processing.

Able to use e-mail.

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1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bartlett (applicant's admission Prior Art) in view of Miao et al (applicant's admission Prior Art).

As per independent claim 1, Bartlett discloses, e.g., see Fig. 1, the invention substantially as claimed, including: a hybrid computer comprises: (1) at least one cell having at least one integrator circuit in which time dependent input voltage is applied through at least one input resistance and its sign is changed after the integration (Fig. 8), (2) at least one cell having at least one analog integrator circuit in which the input voltage is applied to the inverting input of Opamp to change sign, then applied to at least one resistor (Fig. 6e), (3) at least one cell having at least one coordinator circuit (Fig. 7) and (4) at least one analog integrator circuit connected to said coordinator circuit (implied, depending on configuration and external commands different output circuits, see Fig. 4, column 8, lines 19-22, 43-46, and column 13 lines 41-47), a micro controller (Fig. 1 - "CONTROLLER LOGIC 300", column 16, lines 5-12) and a digital

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computer (implied, column 16, lines 5-12 - "...programmable controller...") including a data acquisition system (Fig. 1 - "DIGITAL SENSORS 201", "ANALOG SENSORS 12").

It is noted that Bartlett does not specifically detail single (ii)-(iii) functions; however, these functions are well known in the art. For example, Miao et al disclose an offset voltage calibration circuit having these functions, e.g., see col. 4, lines 23-37. It would have been obvious to a person having ordinary skill in the art at the time the invention was made to combine Miao et al functions in Bartlett, thereby making the claimed invention, because the proposed device is a hybrid computer as claimed.

As per dependent claims 2-14, these features are obvious to a person having ordinary skill in the art.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan V. Mai whose telephone number is (571) 272-3726. The examiner can normally be reached on Mon-Wed from 9:30am to 2:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lewis Bullock, Jr. can be reached on (571) 272-3759. The fax phone number for the organization where this application or proceeding is assigned is:

Official (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

/Tan V Mai/  
Primary Examiner, Art Unit 2193